

Technical Attachment**National Weather Association Annual Meeting****Jacksonville, Florida****October 19-23, 2003****Presentations authored or co-authored by NWS Southern Region Participants.**

*The Success of Using Instant Messaging to Improve Communications with the Local Media.* (Faith Borden WFO Birmingham).

*Maximizing the NWS-Media Relationship to Get Warning Information to the Public.* Alan Gerard (WFO Jackson), Tom Bradshaw (WFO Huntsville), Barry Goldsmith (WFO Tampa Bay Area), G. Alan Johnson (WFO New Orleans Area), and Alan Sealls (WKRG-TV, Mobile).

*Hurricane Hunter Missions and the 2003 Hurricane Season.* John Gordon (WFO Huntsville) and Val Hendry (U.S. Air Force Reserve, Keesler AFB).

*Reassessing the Impact of Two Historical Florida Hurricanes.* Russell Pfof (WFO Miami).

*Turn Around Don't Drown™.* Hector R. Guerrero (WFO San Angelo), Kandis Boyd, Dennis Cain and Steven Cooper (SRH/CWWD Fort Worth), and Leslie Chapman-Henderson (Federal Alliance for Safe Homes [FLASH], Tallahassee).

*Working with Emergency Management to Improve the Dissemination of Civil Emergency Messages for Homeland Security Purposes.* Timothy Troutman and Jason Burks (WFO Huntsville), and Eddie Hicks (Morgan County Emergency Management, Alabama).

*The Multiple Uses of a Comprehensive Climatology Database.* John Gagan, Eric Carpenter and Jennifer Colson (WFO Jackson).

*Increasing Diversity in Atmospheric Science through Research, Applications and in Partnership with the National Weather Service (IDAS-RAP) and the Climatological Studies Project.* Saavedra Ivey (Jackson State University), Jeffrey Craven and Alan Gerard (WFO Jackson), and Ahley Hayes and John Shoemaker (Jackson State University).

*Outreach Activities Occurring at the National Weather Service Forecast Office in Birmingham, Alabama.* Faith Borden (WFO Birmingham).

*The Tallahassee Area Minimum Temperature Study.* Ron Block and Andrew I. Watson (WFO Tallahassee), and Kelly Godsey and Henry Fuelberg (Florida State University).

*What color is your CAPE? (A plea for specifying your parcel.).* Jeffrey Craven (WFO Jackson).

*Memphis Perspective of the Severe Weather Outbreak of May 2003.* Jonathan Howell, Scott McNeil, Daniel Valle and Greg Garrett (WFO Memphis).

*An Examination of the Destructive 16 May 2003 Northeast Arkansas Bow Echo.* Daniel Valle, Greg Garrett, Jonathan Howell and Scott McNeil (WFO Memphis).

*The Hail Outbreak of 2 May 2003: An Overview of One of Alabama's Costliest Hailstorms.* Matt Zika (WFO Huntsville).

*GIS Data and Applications at the Lower Mississippi River Forecast Center.* Keith Stellman and David Welch (Lower Mississippi RFC Slidell).

*Internet Mapping Services (IMS) for the National Weather Service.* Jack Settelmaier (SRH/SSD Fort Worth).

*Utilizing the IFPS/GFE to make Coastal Waters Forecasts.* Andrew I. Watson, T. J. Turnage and Brandon Bolinski (WFO Tallahassee).

*Twenty-five Years of Convective SIGMETs: A Look At The Influence of Technology* [Aviation Meteorology Workshop]. Timothy Oram (Spaceflight Meteorology Group, Johnson Space Center, Houston), with Carolyn M. Kloth (NCEP/Aviation Weather Center, Kansas City).

*The NWS Southern Region Modeling Initiative at NWS Forecast Office Melbourne, FL.* David Sharp, Peter Blottman, Scott Spratt, Matthew Volkmer and Bart Hagemeyer (WFO Melbourne), and Jonathan Case (ENSCO, Inc., NASA/Applied Meteorology Unit, Kennedy Space Center).

*High-Resolution Model Simulations of Tornadic Storms Over Florida during Tropical Storm Gabrielle (2001).* Jonathan Case (ENSCO, Inc., NASA/Applied Meteorology Unit, Kennedy Space Center), and Peter Blottman, Scott Spratt, David Sharp and Matthew Volkmer (WFO Melbourne).

*NOAA's Coastal Storms Initiative (CSI) in Northeast Florida and the Local Mesoscale Modeling Project.* Patrick Welsh and Art Wildman (WFO Jacksonville), and Brent Shaw and John Smart (NOAA/Forecast Systems Laboratory), and Bernard N. Meisner (SRH/SSD, Fort Worth).

*Experiments in Downscaled Seasonal Forecasting – A Review of the Impact of the 2002-03 El Niño on Florida Dry Season Storminess and Experimental Forecast Performance.* Bart Hagemeyer (WFO Melbourne).

*Infusing NASA Technology into the NWS Local Forecast Environment: The NWS Forecast Office-Huntsville Experience.* Tom Bradshaw, Jason Burks and Chris Darden (WFO Huntsville).

*High Resolution Diagnostics and Short Term Prognostics in Support of Weather Forecast and Warning Operations at NWS Melbourne, FL.* Peter Blottman (WFO Melbourne).

*Landing Weather for the Final Flight of Space Shuttle Columbia.* G. Wayne Baggett (NWS Spaceflight Meteorology Group, NASA Johnson Space Center, Houston).

*WSR-88D Data Analysis of the Space Shuttle Columbia Accident Debris Field.* Richard Lafosse and Tim Garner (NWS Spaceflight Meteorology Group, NASA Johnson Space Center, Houston).

*Stratosphere and Mesosphere Analysis in Support of the Space Shuttle Columbia Investigation.* Timothy Oram and Tim Garner (NWS Spaceflight Meteorology Group, NASA Johnson Space Center, Houston), Barry Roberts and Jere Justus (NASA Marshall Space Flight Center, Huntsville), John Madura (NASA Kennedy Space Center Weather Office), Arlindo da Silva (NASA Goddard Spaceflight Center Data Assimilation Office), and Martin Mlynchak (NASA Langley Research Center).

*A History of Juvenile Lightning Victims in Florida.* Jim Lushine (WFO Miami).

*An Overview of the Record-breaking North Alabama Flooding and Tornado Event of 6 May 2003.* Priscilla Bridenstine (WFO Huntsville).

*The Miami Metropolitan Area Tornado of 27 March 2003: A Qualitative Assessment of Vorticity Enhancement in a Developing Supercell Interacting With an Advancing Outflow Boundary.* Thomas Warner, Pablo Santos and Robert Handel (WFO Miami).

*Comparison Between Observed Boundary Layer Depth and Mean Layer LCL Heights.* Jeffrey Craven (WFO Jackson).

*Historical Heavy Rain Events in Jacksonville and Saint Augustine, Florida.* Phil Peterson (WFO Jacksonville).

*The Lower Mississippi River Valley Severe Weather and Excessive Rainfall Event of 6-7 April 2003.* John Gagan, Eric Carpenter, and Jeffrey Craven (WFO Jackson).

*The Devastating Memphis Downburst - July 22, 2003.* Scott McNeil, Dan Valle, Jonathan Howell and Gregory Garrett (WFO Memphis).

*Wet Microburst Bibliography, Annotation, Data.* Paul J. Croft (University of Louisiana at Monroe) and Alan Gerard (WFO Jackson).

*NWS Spaceflight Meteorology Group Support to the Columbia STS-107 Accident Investigation.* Frank Brody, Timothy Oram, Timothy Garner and Richard Lafosse (NWS Spaceflight Meteorology Group, NASA Johnson Space Center, Houston).

*An IMET's Experience with the Space Shuttle Columbia Recovery.* Seth Nagle (WFO Midland).

*A Pilot Study Examining Model Derived Precipitation Efficiency For Use in Precipitation Forecasting in the Eastern United States.* James Noel and Jeffrey Dobur (WFO Atlanta).

Also participating:

Bill Proenza	SRH/RD Fort Worth
Bill Read	WFO Houston (NWA President)
Pat Welsh	WFO Jacksonville (program co-chairman)
Nezette Rydell	WFO Austin/San Antonio